



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,136	10/06/2003	Shinichiro Goto	107439-00098	1080
7590 02/13/2008 ARENT FOX KINTNER PLOTKIN & KAHN, PLLC Suite 400 1050 Connecticut Avenue, N.W. Washington, DC 20036-5339				
			EXAMINER	
			SHIU, HO T	
			ART UNIT	PAPER NUMBER
			4152	
			MAIL DATE	DELIVERY MODE
			02/13/2008	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary****Application No.**

10/678,136

**Applicant(s)**

GOTO, SHINICHIRO

**Examiner**

HO SHIU

**Art Unit**

4152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 06 October 2003.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-10 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 06 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-8508)  
Paper No(s)/Mail Date See Continuation Sheet  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application  
6) ☐ Other: \_\_\_\_\_

Continuation of Attachment(s) 3. Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :06 October 2003, 04 April 2006, 17 July 2006.

**DETAILED ACTION**

1. Claims 1-10 are pending in this application.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1, 3, 5, 6, 8, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsugatani (US Pub # 2003/0055924, hereinafter Matsugatani) in view of Access:KK (JP Pub # 2000-339276 Hereinafter KK). KK is cited in the Information Disclosure Statement filed by applicant on 04/04/2006.**

4. With respect to claim 1, Matsugatani discloses a server of a client-server vehicle data communication system ([0008], lines 2-8), comprising: a service contents managing section for managing a plurality of service contents to be provided to a client terminal of a vehicle ([0035], lines 1-8, [0046], lines 1-3). Matsugatani does not disclose wherein the service contents managing section includes a cache identifier providing section for assigning each service content provided to the client terminal a cache

identifier which indicates a data cache state in the client terminal, so as to manage the data cache state of the service content.

In the same field of endeavor, KK discloses wherein the service contents managing section (file management table, abstract, line 7) includes a cache identifier providing section for assigning each service content (abstract, lines 8-10) provided to the client terminal a cache identifier (file selection condition, abstract, line 9) which indicates a data cache state in the client terminal, so as to manage the data cache state of the service content (abstract, lines 10-14).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Matsugatani with the teachings of KK in order to provide portable type information equipment which can make a file accessible at a present state without requiring decision making by a user and user operation (KK, abstract, lines 1-6).

5. With respect to claim 3, it is rejected for the same reasons as claim 1 above. In addition, KK discloses a cache state managing section for managing the data cache state of the service content provided from the server, according to the cache identifier assigned to the service content (file management table, abstract, lines 7-14).

6. With respect to claim 5, it is rejected for the same reasons as claim 1 above. Matsugatani discloses a request sending section for sending a request signal for the

service content to the server, where the service content is provided from the server when the request signal is received by the server ([0039], lines 1-6); and when a request for the service content is again issued in the client terminal while the condition for the caching is satisfied and the service content is cached in a memory of the client terminal, the service content in the memory is read out without sending the request signal for the service content to the server ([0045], lines 1-2). Matsugatani does not disclose the cache identifier indicates a condition for caching of the service content.

In addition, KK discloses the cache identifier indicates a condition for caching of the service content (abstract, lines 14-19);

7. With respect to claim 6, it is rejected for the same reasons as claim 1 above. In addition, KK discloses a client terminal which uses the server and includes a cache state managing section for managing the data cache state of the service content provided from the server, according to the cache identifier assigned to the service content (abstract, lines 7-19).

8. With respect to claim 8, it is rejected for the same reasons as claim 1 above. Matsugatani discloses the service content is provided from the server to the client terminal when a request signal for the service content is sent from the client terminal to the server ([0039], lines 1-6); and when a request for the service content is again issued in the client terminal while the condition for the caching is satisfied and the service

content is cached in a memory of the client terminal, the service content in the memory is read out without sending the request signal for the service content to the server ([0045], lines 1-2) but does not disclose the cache identifier indicates a condition for caching of the service content.

In addition, KK discloses the cache identifier indicates a condition for caching of the service content (abstract, lines 14-19);

9. With respect to claim 9, Matsugatani discloses a client terminal of a vehicle for obtaining data provided from a server which manages a plurality of service contents ([0035], lines 1-8, [0046], lines 1-3). Matsugatani does not disclose said client terminal comprising: a cache state managing section for recognizing a cache identifier which indicates a data cache state of data of a service content obtained from the server and managing the data cache state indicated by the cache identifier.

In addition, KK discloses said client terminal comprising: a cache state managing section for recognizing a cache identifier which indicates a data cache state of data of a service content obtained from the server and managing the data cache state indicated by the cache identifier (abstract, lines 7-14).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Matsugatani with the teachings of KK in order to provide portable type information equipment which can make a file accessible at a present state without requiring decision making by a user and user

operation.

**10. Claims 2, 4, 7, and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsugatani in view of KK as applied to claims 1 and 9 and in further view of Sumitomo Electric (JP Pub # 10-078901 Hereinafter Sumitomo). Sumitomo is cited in the Information Disclosure Statement filed by applicant on 04/04/2006.**

11. With respect to claims 2, it is rejected for the same reasons as claim 1 above. The combination of Matsugatani and KK does not explicitly disclose the assigned cache identifier is selected from the group consisting of (although he discloses time band and present user location position as an identifier): an identifier for indicating that the service content is not stored in the client terminal; an identifier for indicating that the service content is temporarily stored until an engine of the vehicle is stopped; an identifier for indicating that the service content is stored even after the engine of the vehicle is stopped; an identifier for indicating that the service content is stored while a travel distance of the vehicle from where the vehicle obtained the service content is within a predetermined value; and an identifier for indicating that the service content is stored from when the vehicle obtains the service content until a predetermined time has elapsed.



However, in the same field of endeavor, Sumitomo discloses the assigned cache identifier is selected from the group consisting of: an identifier for indicating that the service content is not stored in the client terminal; an identifier for indicating that the service content is temporarily stored until an engine of the vehicle is stopped; an identifier for indicating that the service content is stored even after the engine of the vehicle is stopped; an identifier for indicating that the service content is stored while a travel distance of the vehicle from where the vehicle obtained the service content is within a predetermined value (abstract, lines 8-12, lines 14-22); and an identifier for indicating that the service content is stored from when the vehicle obtains the service content until a predetermined time has elapsed (abstract, lines 12-14, lines 19-22).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Matsugatani and KK with the teachings of Sumitomo in order to exactly process unnecessary information as an object to be replaced by deciding information being the object to be replaced based on the measured results of physical values corresponding to the characteristics of information (abstract, lines 1-5).

13. With respect to claim 4, it is rejected for the same reasons as claim 1 above. In addition, KK discloses a cache state managing section for managing the data cache state of the service content provided from the server, according to the cache identifier assigned to the service content (file management table, abstract, lines 7-14).

14. With respect to claim 7, it is rejected for the same reasons as claim 1 above. In addition, KK discloses a client terminal which uses the server and includes a cache state managing section for managing the data cache state of the service content provided from the server, according to the cache identifier assigned to the service content (abstract, lines 7-19).

12. With respect to claim 10, it is rejected for the same reasons as claim 9 above. The combination of Matsugatani and KK does not explicitly disclose the cache identifier is selected from the group consisting of (although he discloses time band and present user location position as an identifier): an identifier for indicating that the service content is not stored in the client terminal an identifier for indicating that the service content is temporarily stored until an engine of the vehicle is stopped; an identifier for indicating that the service content is stored even after the engine of the vehicle is stopped; an identifier for indicating that the service content is stored while a travel distance of the vehicle from where the vehicle obtained the service content is within a predetermined value and an identifier for indicating that the service content is stored from when the vehicle obtains the service content until a predetermined time has elapsed.

However, in the same field of endeavor, Sumitomo discloses the cache identifier is selected from the group consisting of: an identifier for indicating that the service content is not stored in the client terminal; an identifier for indicating that the service

content is temporarily stored until an engine of the vehicle is stopped; an identifier for indicating that the service content is stored even after the engine of the vehicle is stopped; an identifier for indicating that the service content is stored while a travel distance of the vehicle from where the vehicle obtained the service content is within a predetermined value (abstract, lines 8-12, lines 14-22); and an identifier for indicating that the service content is stored from when the vehicle obtains the service content until a predetermined time has elapsed (abstract, lines 12-14, lines 19-22).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Matsugatani and KK with the teachings of Sumitomo in order to exactly process unnecessary information as an object to be replaced by deciding information being the object to be replaced based on the measured results of physical values corresponding to the characteristics of information (abstract, lines 1-5).

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HO SHIU whose telephone number is (571)270-3810. The examiner can normally be reached on Mon-Thur (7:30am - 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nabil El-Hady can be reached on 571-272-3963. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HTS  
1/29/2008

/Nabil El-Hady/  
Supervisory Patent Examiner, Art Unit 4152